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TRANSMITTAL FORM

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Application Number	10/709,529-Conf. #3528
Filing Date	May 12, 2004
First Named Inventor	Michael J. Nowlan
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	101430-0185

ENCLOSURES (Check all that apply)				
Fee Transi	mittal Form	Drawing(s)		After Allowance Communication to TC
Fee Attached		Licensing-related Papers		Appeal Communication to Board of Appeals and Interferences
Amendme	nt/Reply	Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
After	r Final	Petition to Convert to a Provisional Application		Proprietary Information
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Extension	of Time Request	Terminal Disclaimer		Other Enclosure(s) (please Identify below):
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X Information Disclosure Statement		CD, Number of CD(s) Return Receipt Postcard		Return Receipt Postcard
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Reply to Missing Parts/ Incomplete Application		Remarks		
	ly to Missing Parts under FR 1.52 or 1.53			
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
Firm Name	NUTTER MCCLENNEN & FISH LLP			
Signature				
Printed name	Thomas J. Engellen	ner		
Date			Reg. No.	28,711

I hereby certify that this correspondence is being deposited with the U.S. Postal Service an envelope addressed to: Commissioner for Patents, P.O. Boy 1450, Alexandria, VA 2 Dated: 27 Dated: Signature:	with sufficient postage as First Class Mail, in 22313-1450, on the date shown below. (Thomas J. Engellenner)

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d: 27 Cook Signature: (Morpha's VEngellenner)

Docket No.: 101430-0185 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Michael J. Nowlan et al.

Application No.: 10/709,529 Confirmation No.: 3528

Filed: May 12, 2004 Art Unit: N/A

For: INFRARED DETECTION OF SOLAR CELL

DEFECTS UNDER FORWARD BIAS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each non-patent reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

Application No.: 10/709,529 Docket No.: 101430-0185

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 101430-0185.

Dated: 27 October 2004

Respectfully submitted,

Thomas J. Engellenner Registration No.: 28,711

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PTO/SB/08a/b (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number 10/709,529-Conf. #3528				
Filing Date	May 12, 2004			
First Named Inventor	Michael J. Nowlan			
Art Unit	N/A			
Examiner Name	Not Yet Assigned			
Attorney Docket Number	101430-0185			

	U.S. PATENT DOCUMENTS				
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA	US-6,236,044-B1	05-22-2001	Chou, et al.	
	AB	US-6,420,705-B1	07-16-2002	Chou, et al.	
	AC	US-6,111,638	08-29-2000 Chou, et al.		
	AD	US-5,334,844	08-02-1994	Pollard, et al.	

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	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
	CA	Sawyer, et al., "Laser Scanning of Solar Cells for the Display of Cell Operating Characteristics and Detection of Cell Defects," IEEE, April 1980, Vol. ED-27, No. 4,		
	СВ	Pilla, et al., "Thermographic Inspection of Cracked Solar Cells," Proc. SPIE, March 2002, Vol. 4710, p. 699-703		
	CC	Paulson, et al., "Infrared techniques applied to large solar arrays," (1981), SPIE Vol. 304)		
	CD	Nowlan, et al., "Automated Solar Cell Assembly Teamed Process Research," National Renewable Energy Laboratory (NREL) (Feb. 1996)		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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